

Converting Colors

$Y_{xy}(100.0000, 0.3100, 0.3443)$

Have a look what the booklet for
Yxy(100.0000, 0.3100, 0.3443)
contains.

Yxy(96.7524, 0.3104, 0.3398)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(96.7524, 0.3104, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	F1FFF4
RGB	241, 255, 244
RGB Percent	95%, 100%, 96%
CMY	0.0546, 0.0000, 0.0432
CMYK	0.05, 0.00, 0.04, 0.00
HSL	133°, 100%, 97%
HSV	133°, 5%, 100%
XYZ	88.3812, 96.7524, 99.5997
YIQ	249.5600, -4.8130, -6.3890

Conversions

Conversions Part 2

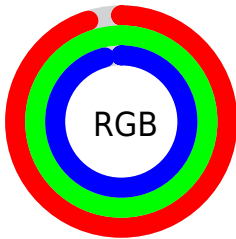
Format	Color
R _Y B	241, 253, 255
Decimal	15859700
CIE Lab	98.73, -6.50, 3.66
CIE LCh	99, 7.462, 150.588
Yxy	96.7524, 0.3104, 0.3398
Android (android.graphics.Color)	4294049780 (0xFFFF1FFF4)
YUV	249.5600, -2.7411, -7.5071
Hunter-Lab	98.3628, -11.7485, 8.8184

Details

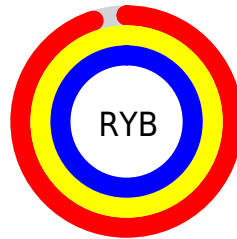
The Yxy color 96.7524, 0.3104, 0.3398 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.2418, 0.3151, 0.3184, and the grayscale version is 95.2528, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.3333, 0.3098, 0.3415 is the 20% darker color. If you saturate the color by 10%, you get 91.4198, 0.3061, 0.3616, and if you desaturate by 10%, it is 99.9921, 0.3127, 0.3290.

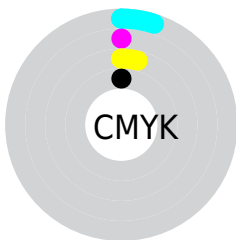
Distribution



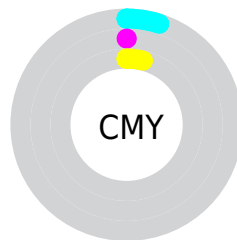
- Red (95%)
- Green (100%)
- Blue (96%)



- Red (95%)
- Yellow (99%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.7524, 0.3104, 0.3398 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 96.7524, 0.3104, 0.3398 by changing the saturation by 10% instead.


 96.7524, 0.3104,
0.3398

 96.7524, 0.3104,
0.3398


549.7600, 0.3114,
0.3350

 73.5944, 0.3102,
0.3408


156.6834, 0.3108,
0.3382

 54.4621, 0.3099,
0.3421


194.2252, 0.3109,
0.3375

 38.9712, 0.3095,
0.3437


237.3303, 0.3110,
0.3370

 26.7373, 0.3091,
0.3457

286.3831, 0.3111,
0.3365

 17.3761, 0.3085,
0.3484

341.7681, 0.3112,
0.3361

 10.5030, 0.3077,
0.3520

403.8697, 0.3113,

 5.7337, 0.3064,

0.3357

0.3573

473.0722, 0.3114,
0.3353

■ 2.6838, 0.3044,
0.3659

■ 0.9690, 0.3010,
0.3837

■ 96.7524, 0.3104,
0.3398

■ 96.7524, 0.3104,
0.3398

■ 91.4198, 0.3061,
0.3616

99.9921, 0.3127,
0.3290

■ 86.8147, 0.3019,
0.3862

■ 82.9088, 0.2980,
0.4132

■ 79.6677, 0.2945,
0.4422

■ 77.0535, 0.2919,
0.4723

■ 75.0247, 0.2903,
0.5022

■ 73.5348, 0.2901,
0.5303

■ 72.5297, 0.2912,
0.5547

■ 71.9433, 0.2935,
0.5739

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.7524, 0.3186, 0.3431



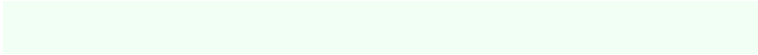
96.7524, 0.3104, 0.3398



96.7524, 0.3029, 0.3335

Triad

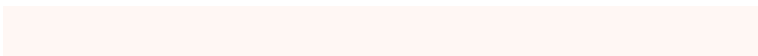
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.7524, 0.3104, 0.3398



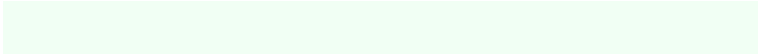
96.7524, 0.3002, 0.3157



96.7524, 0.3277, 0.3316

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



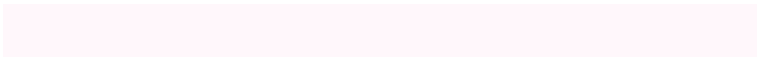
96.7524, 0.3104, 0.3398



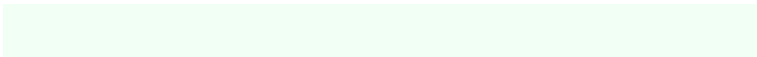
91.2418, 0.3151, 0.3184

Split Complementary

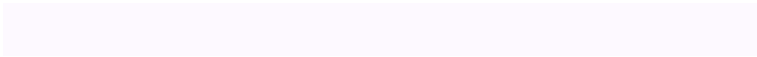
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7524, 0.3226, 0.3245



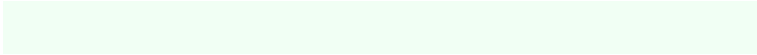
96.7524, 0.3104, 0.3398



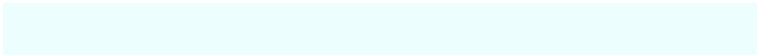
96.7524, 0.3067, 0.3154

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.7524, 0.3104, 0.3398



96.7524, 0.2970, 0.3196



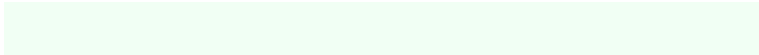
96.7524, 0.3149, 0.3186



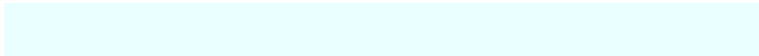
96.7524, 0.3287, 0.3382

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



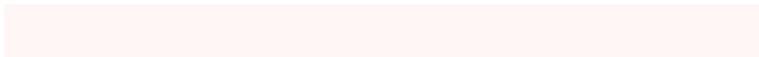
96.7524, 0.3104, 0.3398



96.7524, 0.2992, 0.3286



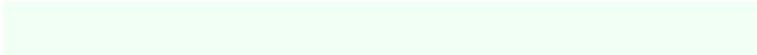
96.7524, 0.3149, 0.3186



96.7524, 0.3264, 0.3292

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



96.7565, 0.3104, 0.3398



98.7888, 0.3119, 0.3329



98.6007, 0.3190, 0.3425



21.1576, 0.3119, 0.3327



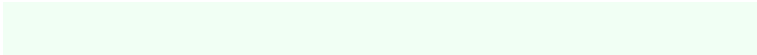
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.7565, 0.3104, 0.3398



95.8954, 0.3097, 0.3430



97.1784, 0.3065, 0.3331



20.4536, 0.3095, 0.3443



37.5253, 0.2940, 0.5786



3.6688, 0.2885, 0.5587

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



91.2418, 0.3151, 0.3184



88.8959, 0.3158, 0.3154



90.8171, 0.3193, 0.3250



18.8329, 0.3161, 0.3142



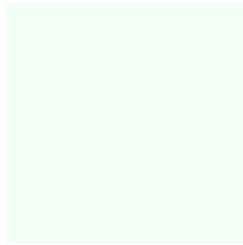
13.3447, 0.3826, 0.1881



1.3149, 0.3742, 0.1835

Previews

White Background



This preview shows how the Yxy color 96.7524, 0.3104, 0.3398 looks on a white background.

Color Contrast Check

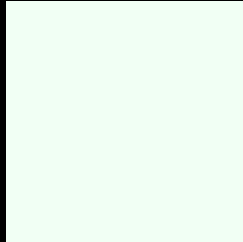
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 96.7524, 0.3104, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

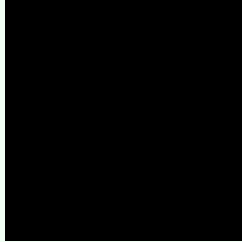
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

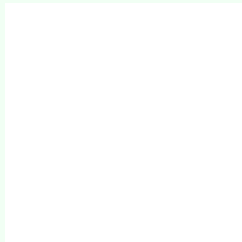
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.7524, 0.3104, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 96.7524, 0.3104, 0.3398.

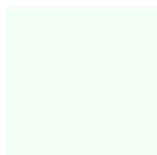


This preview shows how white text looks on a background with the Yxy color 96.7524, 0.3104, 0.3398.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.7524, 0.3104, 0.3398



Protanopia

96.9082, 0.3182, 0.3338

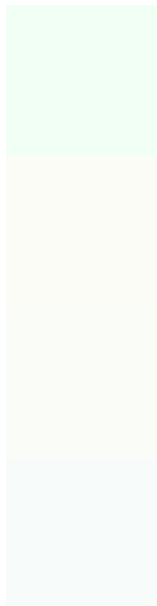
Deuteranopia

96.5962, 0.3153, 0.3281

Tritanopia

96.5384, 0.3098, 0.3252

Trichromacy



Original Color

96.7524, 0.3104, 0.3398

Protanomaly

96.5374, 0.3155, 0.3358

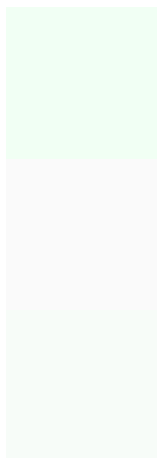
Deuteranomaly

96.7221, 0.3138, 0.3329

Tritanomaly

96.3600, 0.3102, 0.3300

Monochromacy



Original Color

96.7524, 0.3104, 0.3398

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

96.1723, 0.3119, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.7524, 0.3104, 0.3398 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(241, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 244)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(241, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 96.7524, 0.3104, 0.3398 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(241, 255, 244) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(241, 255, 244) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(241, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 96.7524, 0.3104, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 244) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(241,  
255, 244) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor